

Name \_\_\_\_\_



Date \_\_\_\_\_

## Conics

(Answer ID # 1070217)

**Write the standard form of the equation of the circle with the given radius and center.**

1. C (0, 0); r = 9	2. C (0, 0); $r = \frac{1}{7}$	3. C (0, 0); r = 6
4. C (0, 0); $r = \frac{1}{8}$	5. C (0, 0); $r = \frac{1}{3}$	6. C (7, -7); $r = \frac{23}{5}$
7. C (0, 0); r = 7	8. C (2, -6); $r = \frac{1}{2}$	9. C (-9, -4); $r = \frac{1}{11}$
10. C (0, 0); $r = \frac{1}{4}$	11. C (5, -1); $r = 3 + \sqrt{5}$	12. C (0, 0); $r = \frac{1}{10}$
13. C (-1, 5); $r = 6 + \sqrt{13}$	14. C (0, 0); $r = \frac{11}{2}$	15. C (0, 0); $r = \frac{29}{9}$
16. C (8, -3); $r = 3\sqrt{2}$	17. C (0, 0); $r = \frac{55}{12}$	18. C (0, 0); r = 4
19. C (-3, 0); $r = \sqrt{15}$	20. C (4, -9); $r = \frac{1}{11}$	21. C (-6, -2); $r = \frac{35}{6}$
22. C (0, -8); r = 10	23. C (-8, -9); $r = 10 + \sqrt{6}$	24. C (0, 0); $r = 10 + \sqrt{3}$

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## Conics

(Answer ID # 0115890)

**Match the equation of the circle with its graph.**

$$x^2 + (y - 1)^2 = 25$$

$$(x + 4)^2 + (y - 4)^2 = \frac{25}{4}$$

$$(x + 2)^2 + (y + 3)^2 = \frac{9}{4}$$

$$x^2 + (y - 4)^2 = \frac{9}{4}$$

$$(x + 2)^2 + (y - 1)^2 = \frac{9}{4}$$

$$(x + 1)^2 + (y + 3)^2 = 16$$

